

# U.S. Methyl Bromide Consumption by Crop

## Pre-plant Methyl Bromide Consumption by Crop for the United States (1997)

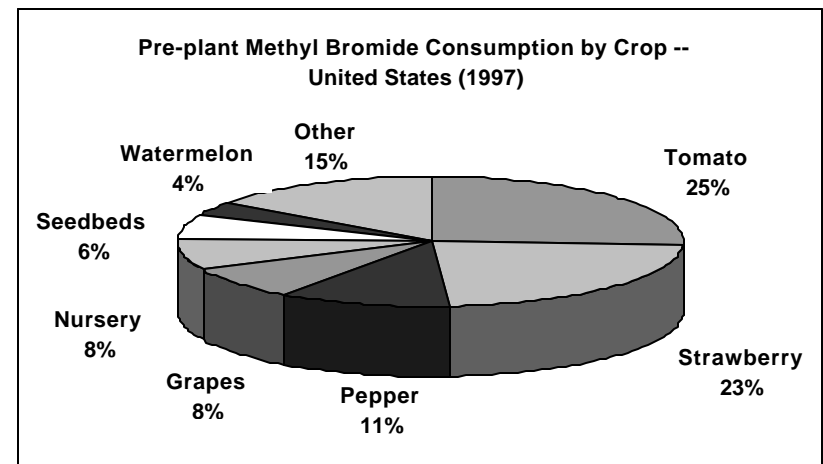
| Crop                               | Total Applied (MT) | Total Applied (lbs.) | Percent of Category | Percent of Total |
|------------------------------------|--------------------|----------------------|---------------------|------------------|
| <b>Small Fruits and Vegetables</b> |                    |                      |                     |                  |
| Tomato                             | 4,409              | 9,717,420            | 37.0%               | 25.6%            |
| Strawberry                         | 3,889              | 8,571,532            | 32.6%               | 22.6%            |
| Pepper                             | 1,843              | 4,062,401            | 15.5%               | 10.7%            |
| Watermelon                         | 639                | 1,408,411            | 5.4%                | 3.7%             |
| Sweet Potato                       | 348                | 766,042              | 2.9%                | 2.0%             |
| Onion                              | 346                | 763,650              | 2.9%                | 2.0%             |
| Cucumber                           | 297                | 655,157              | 2.5%                | 1.7%             |
| Eggplant                           | 120                | 265,081              | 1.0%                | 0.7%             |
| Cantaloupe                         | 19                 | 40,925               | 0.2%                | 0.1%             |
| Raspberry                          | 4                  | 8,059                | 0.0%                | 0.0%             |
| Subtotal                           | 11,914             | 26,258,678           | 100%                | 69%              |
| <b>Orchards and Vineyards</b>      |                    |                      |                     |                  |
| Grapes                             | 1,382              | 3,046,844            | 52.0%               | 8.0%             |
| Almond                             | 451                | 994,008              | 17.0%               | 2.6%             |
| Walnut                             | 243                | 534,646              | 9.1%                | 1.4%             |
| Peach                              | 181                | 398,375              | 6.8%                | 1.0%             |
| Plum and Prune                     | 161                | 355,642              | 6.1%                | 0.9%             |
| Citrus Fruits                      | 159                | 350,491              | 6.0%                | 0.9%             |
| Nectarine                          | 53                 | 117,238              | 2.0%                | 0.3%             |
| Cherry                             | 29                 | 62,996               | 1.1%                | 0.2%             |
| Subtotal                           | 2,659              | 5,860,240            | 100%                | 15%              |
| <b>Nursery</b>                     |                    |                      |                     |                  |
| Tobacco                            | 311                | 685,026              | 12%                 | 1.8%             |
| Nursery                            | 1,363              | 3,003,440            | 51%                 | 7.9%             |
| Seedbeds                           | 975                | 2,148,900            | 37%                 | 5.7%             |
| Subtotal                           | 2,649              | 5,837,366            | 100%                | 15%              |
| Total Soil Use                     | 17,222             | 37,956,284           |                     |                  |

Source: NCFAP 2001, CADPR 1996, 1997.

Note: Information on seedbeds includes California only.

## Methyl Bromide Pre-Plant Use in the U.S.

- The use of methyl bromide on tomatoes, peppers, strawberries, nurseries, and grapes combined accounts for approximately 65 percent of pre-plant methyl bromide consumption.
- Methyl bromide usage on tobacco decreased from over 1000 MT in 1996 (CADPR 1996) to 311 MT in 1997. This trend can be attributed to tobacco seedling production moving away from methyl bromide use in recent years. For example, growers in North Carolina produce tobacco seedlings by raising transplants in greenhouses that do not require the use of methyl bromide instead of using the traditional seedbed fumigation approach (Gianessi and Silvers 2000).
- Annual usage of methyl bromide for orchard sites (e.g., almonds, peaches, apples) varies depending on the extent of replanting.



Note: "Other" comprises all crops listed in the table that are not specified in the pie chart.

Source: NCFAP 2001, CADPR, 1996, 1997.